

Comparisons of Job Characteristics

Focus Occupation: [Operating Engineers and Other Construction Equipment Operators \(47-2073\)](#)

Associated Occupation: [Crane and Tower Operators \(53-7021\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Crane and Tower Operators (53-7021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	14.8	13.4	<	Expanded education and/or training may be required
Building and Construction	4.0	11.0	15.0	>>	Current knowledge level is likely more than sufficient
Transportation	4.6	7.6	5.8	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Crane and Tower Operators (53-7021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	12.6	13.4	0	Current skill level may be sufficient
Operation Monitoring	6.6	10.7	10.0	0	Current skill level may be sufficient
Troubleshooting	4.5	8.2	6.6	<	A higher skill level may be required
Repairing	3.4	8.0	6.4	<	A higher skill level may be required
Equipment Maintenance	3.5	7.7	6.9	<	A higher skill level may be required
Equipment Selection	3.3	5.8	4.9	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Crane and Tower Operators (53-7021)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	14.7	12.6	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	13.9	13.2	0	Current ability level may be sufficient
Reaction Time	4.8	13.5	9.7	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	12.9	12.2	0	Current ability level may be sufficient
Far Vision	7.8	12.8	8.3	<<	Extensive improvement in abilities may be required
Rate Control	3.8	12.6	8.6	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	11.6	8.7	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	8.5	5.3	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	8.4	5.5	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	7.3	5.1	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	5.9	3.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Crane and Tower Operators (53-7021)

Work Activities	Exclusivity of Activity
Maintain or repair construction machinery or equipment	77
Operate crane in construction, manufacturing or repair setting	76
Operate earth-moving or other heavy construction equipment	80
Operate material moving, loading, or unloading equipment	75
Signal directions or warnings to coworkers	42
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 77

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)
Associated Occupation: Crane and Tower Operators (53-7021)

Tools and Technologies	Exclusivity
Building demolition machinery and equipment	80
Cleaning equipment	11
Cutting and crimping and punching tools	3
Earth moving machinery	11
Forming tools	2
Hearing protectors	12
Heavy equipment components	21
Indicating and recording instruments	2
Industry specific software	1
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Measuring and layout tools	3
Paint applicators and painting accessories	15
Personal communication devices	2
Pneumatic tools	8
Power tools	2
Respiratory protection	6
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.